```
RRRRRRRRRRR      MMM          MMM     SSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSSS
RRR         RRR  MMMMMM    MMMMMM   SSS
RRR         RRR  MMMMMM    MMMMMM   SSS
RRR         RRR  MMMMMM    MMMMMM   SSS
RRR         RRR  MMM  MMM  MMM  MMM  SSS
RRR         RRR  MMM  MMM  MMM  MMM  SSS
RRR         RRR  MMM  MMM  MMM  MMM  SSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
```

FILEID**RM3BUG

```
RRRRRRRR    MM      MM    333333    BBBBBBBB    UU      UU    GGGGGGGG
RRRRRRRR    MM      MM    333333    BBBBBBBB    UU      UU    GGGGGGGG
RR      RR  MMMM  MMMM  33      33  BB      BB  UU      UU  GG
RR      RR  MMMM  MMMM  33      33  BB      BB  UU      UU  GG
RR      RR  MM  MM  MM        33    BB      BB  UU      UU  GG
RR      RR  MM  MM  MM        33    BB      BB  UU      UU  GG
RRRRRRRR    MM      MM      33      BBBBBBBB    UU      UU  GG
RRRRRRRR    MM      MM      33      BBBBBBBB    UU      UU  GG
RR  RR      MM      MM        33    BB      BB  UU      UU  GG  GGGGGG
RR  RR      MM      MM        33    BB      BB  UU      UU  GG  GGGGGG
RR    RR    MM      MM  33    33    BB      BB  UU      UU  GG      GG      ....
RR    RR    MM      MM  33    33    BB      BB  UU      UU  GG      GG      ....
RR      RR  MM      MM    333333    BBBBBBBB    UUUUUUUUUU    GGGGGG        ....
RR      RR  MM      MM    333333    BBBBBBBB    UUUUUUUUUU    GGGGGG        ....

LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
0000     1          $BEGIN  RM3BUG,000,RM$RMS3,<RMS ISAM BLISS BUG CHECK>-
0000     2                                                  <PIC,NOSHR,NOWRT>
0000     3
0000     4 ;
0000     5 ;*****************************************************************************
0000     6 ;*                                                                           *
0000     7 ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
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0000    23 ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    24 ;*                                                                           *
0000    25 ;*                                                                           *
0000    26 ;*****************************************************************************
0000    27
0000    28 ;++
0000    29 ;
0000    30 ; Facility:     RMS32 INDEX SEQUENTIAL FILE ORGANIZATION
0000    31 ;
0000    32 ; Abstract: bug check routine for bliss isam modules
0000    33 ;
0000    34 ;
0000    35 ; Environment:
0000    36 ;
0000    37 ;               VAX/VMS OPERATING SYSTEM
0000    38 ;
0000    39 ;
0000    40 ; Author:       Christian Saether     Creation date:    12-july-1978
0000    41 ;
0000    42 ; MODIFIED BY:
0000    43 ;
0000    44 ;       V03-001 KBT0156         Keith B. Thompson       21-Aug-1982
0000    45 ;               Reorganize psects
0000    46 ;
0000    47 ;       V02-002 REFORMAT        P S Knibbe      25-Jul-1980
0000    48 ;
0000    49 ; Revision history
0000    50 ;
0000    51 ;       C Saether,      1-NOV-1978   10:00
0000    52 ;                make bug check non-fatal and delete process
0000    53 ;
0000    54 ;--
0000    55
0000    56 ;
0000    57 ; Include Files:
```

```
0000     58 ;
0000     59
0000     60 ;
0000     61 ; Macros:
0000     62 ;
0000     63
0000     64 ;
0000     65 ; Equated Symbols:
0000     66 ;
0000     67
0000     68 ;
0000     69 ; Own Storage:
0000     70 ;
0000     71
```

```
                        ;++
                        ;
                        ; BLISS INTERFACE TO BUG CHECK REPORTING
                        ;
                        ; Calling sequence:
                        ;       rm$bug3()
                        ;
                        ; Input Parameters:
                        ;       none
                        ;
                        ; Implicit Inputs:
                        ;       none
                        ;
                        ; Output Parameters:
                        ;       none
                        ;
                        ; Implicit Outputs:
                        ;       none
                        ;
                        ; Routine Value:
                        ;       none
                        ;
                        ; Side Effects:
                        ;       causes bug check reporting to occur
                        ;
                        ;--

                        RM$BUG3::
                                BUG_CHECK       RMSBUG,WARN     ; log the bug check
0004                    $DEL[PRC_S                              ; and delete the process
000F                    .END
```

```
$$.PSECT_EP     = 00000000
$$RMSTEST       = 0000001A
$$RMS_PBUGCHK   = 00000010
$$RMS_TBUGCHK   = 00000008
$$RMS_UMODE     = 00000004
BUG$_RMSBUG       ********   X   01
RM$BUG3           00000000 RG   01
SYS$DELPRC        ********  GX   01
```

Psect synopsis

```
PSECT name                      Allocation          PSECT No.  Attributes
----------                      ----------          ---------  ----------
. ABS .                         00000000  (    0.)  00 (  0.)  NOPIC   USR   CON   ABS   LCL NOSHR NOEXE NORD  NOWRT NOVEC BYTE
RM$RMS3                         0000000F  (   15.)  01 (  1.)    PIC   USR   CON   REL   GBL NOSHR   EXE   RD  NOWRT NOVEC BYTE
```

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.09	00:00:00.56
Command processing	138	00:00:00.68	00:00:05.62
Pass 1	117	00:00:00.72	00:00:04.78
Symbol table sort	0	00:00:00.01	00:00:00.01
Pass 2	39	00:00:00.29	00:00:02.01
Symbol table output	3	00:00:00.02	00:00:00.09
Psect synopsis output	1	00:00:00.02	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	338	00:00:01.83	00:00:13.23

The working set limit was 1200 pages.
1458 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 8 non-local and 0 local symbols.
104 source lines were read in Pass 1, producing 11 object records in Pass 2.
5 pages of virtual memory were used to define 5 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[RMS.OBJ]RMS.MLB;1	1
_255DUA28:[SYS.OBJ]LIB.MLB;1	1
_255DUA28:[SYSLIB]STARLET.MLB;2	2
TOTALS (all libraries)	4

32 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:RM3BUG/OBJ=OBJ$:RM3BUG MSRC$:RM3BUG/UPDATE=(ENH$:RM3BUG)+EXECML$/LIB+LIB$:RMS/LIB
```

RM2UPDDEL
LIS

RM3CLOSE
LIS

RM3ALLBKT
LIS

RM2CREATE
LIS

RM2GET
LIS

RM2PUT
LIS

RM3BKTIO
LIS

RM3BKTSPL
LIS

RM3CMPKEY
LIS

RM3CMPRSS
LIS

RM2EXTEND
LIS

RM2FMTBKT
LIS

RM3BUG
LIS

RM2OPEN
LIS